

**Amendments to the Claims:**

**Listing of Claims:**

Claims 1-17 (canceled)

Claim 18 (new). A drive device for a light-emitting component, comprising:

a reference source for generating a power stipulation signal stipulating a desired light power;

a photodetector for measuring an actual light power of the light-emitting component;

a regulating device connected to said photodetector and said reference source, said regulating device generating a regulating signal for regulating the actual light power of the light-emitting component such that a deviation between the desired light power and the actual light power becomes minimal; and

a correction device for compensating for a temperature-dictated measurement error of the photodetector by modifying, in a temperature-dependent manner, the power stipulation signal generated by said reference source.

Claim 19 (new). The drive device according to claim 18, wherein said correction device includes a memory storing a plurality of correction values for modifying the power stipulation signal in the temperature-dependent manner.

Claim 20 (new). The drive device according to claim 19, wherein:

said correction device includes a control device and a temperature sensor;

said control device and said temperature sensor are configured for obtaining a measured temperature value by measuring a temperature of the monitor diode or a temperature proportional to the temperature of the monitor diode; and

said control device is configured for reading a correction value associated with the measured temperature value from said memory.

Claim 21 (new). The drive device according to claim 20, wherein said control device is formed by a controller module.

Claim 22 (new). The drive device according to claim 20, wherein said control device is formed by a microprocessor.

Claim 23 (new). The drive device according to claim 19, wherein said memory stores the plurality of correction values and a plurality of temperature levels or temperature ranges associated with the plurality of correction values in table form.

Claim 24 (new). The drive device according to claim 19, wherein said memory stores the plurality of correction values and a plurality temperature levels or temperature ranges associated with the plurality of correction values as a look-up table.

Claim 25 (new). The drive device according to claim 19, wherein said memory is freely programmable.

Claim 26 (new). The drive device according to claim, 19,  
wherein:

said correction device includes a control device and a  
temperature sensor;

said control device and said temperature sensor are configured  
for obtaining a measured temperature value by measuring a  
temperature of the monitor diode or a temperature proportional  
to the temperature of the monitor diode;

said control device is configured for reading a correction  
value associated with the measured temperature value from said  
memory; and

said correction device includes a digital-to-analog converter  
connected downstream of said control device .

Claim 27 (new). The drive device according to claim 26,  
wherein:

said digital-to-analog converter forms an analog modification  
signal from the correction value read from said memory by said  
control device or an auxiliary correction value derived from  
the correction value;

the power stipulation signal of said reference source (30) is  
modified using the modification signal.

Claim 28 (new). The drive device according to claim 27,  
wherein:

said correction device includes an analog adder configured for  
adding the modification signal of said digital-to-analog

converter or an auxiliary modification signal formed from the modification signal to the power stipulation signal of said reference source.

Claim 29 (new). The drive device according to claim 28, wherein said adder is formed by an operational amplifier circuit.

Claim 30 (new). The drive device according to claim 18, in combination with the light-emitting component, wherein the light-emitting component is a laser.

Claim 31 (new). The drive device according to claim 18, in combination with the light-emitting component, wherein the light-emitting component has a monitor diode forming said photodetector.

Claim 32 (new). A method for driving a light-emitting component, which comprises:

defining a stipulated desired light power by stipulating a desired light power;

obtaining a measured actual light power by measuring an actual light power of the light-emitting component with a photodetector;

regulating the light-emitting component such that a deviation between the desired light power and the measured actual light power becomes minimal;

compensating for a temperature-dictated measurement error of the photodetector by modifying the stipulated desired light power in a temperature-dependent manner.

Claim 33 (new). The method according to claim 32, which further comprises: reading a plurality of correction values from a memory for modifying the stipulated desired light power.

Claim 34 (new). The method according to claim 33, which further comprises: storing the plurality of correction values in table form in the memory.

Claim 35 (new). The method according to claim 33, which further comprises: storing the plurality of correction values as a look-up table in the memory.